

Product datasheet for **SC117545**

HNF4 gamma (HNF4G) (NM_004133) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNF4 gamma (HNF4G) (NM_004133) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNF4 gamma
Synonyms:	NR2A2; NR2A3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004133, the custom clone sequence may differ by one or more nucleotides

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ATGGACATGGCAAATTACAGTGAAGTTTTGGACCAACTTACACAACCTTTGGAGTTGAAACTATGCAGA
TTCTATATAAATCAAGTGATAGTTCTGCCCCAGAGACAAGTATGAATACCACAGACAACGGTGCAACTG
TCTGTGTGCTATCTGTGGGGACAGAGCAACAGGAAACACTATGGGGCATCCAGCTGTGATGGTGCAAG
GGTTTCTTCAGACGCAGCATTTCGTAAGAGTCACGTTTATTCTTGCAGGTTTCAGTCGGCAATGTGTTGTTG
ACAAGGACAAAAGGAATCAATGTAGATATTGTCGATTAAGAAAGTGTGTTAGAGCGGGAATGAAAAAGA
AGCTGTACAAAATGAACGTGACAGAATAAGCACCAGAAGAAGCACATTTGATGGCAGCAACATCCCCTCC
ATTAACACACTGGCACAAGCTGAAGTTCGGTCTCGCCAGATCTCAGTCTCAAGCCCTGGGTCAAGCACTG
ACATAAACGTTAAGAAAATTGCAAGTATTGGTGATGTCTGTGAATCTATGAAACAGCAGCTTTAGTCTT
GGTGGAATGGGCTAAATATATTCCTGCCTTCTGTGAATTACCATTGGATGATCAGGTGGCACTGTTGAGA
GCTCACGCAGGGGAGCACTTACTGCTTGGAGCTACAAAGAGATCCATGATGTATAAAGATATTTTGCTTT
TGGGAAACAACATGTTATTCACCGCAACAGCTGTGAAGTTGAGATTAGCCGTGTGGCAATCGTGTCTT
AGATGAGCTGGTTAGACCATTTCAAGAAATCCAGATTGATGACAAATGAGTATGCTTGTGTTAAAGGCAATT
GTATTTTTTGTATCCAGATGCAAAAAGGGCTAAGCGATCCAGTAAAAATTAAGAATGAGGTTCCAAGTGC
AGATCGGTTTGGAGGACTACATCAATGATCGGCAGTATGACTCCCGGGGGAGGTTTGGAGAGTTGCTTCT
GCTCCTGCCACACTGCAGAGCATCACGTGGCAAATGATTGAGCAAATACAGTTTGTAAACTTTTTGGG
ATGGTTAAAATTGACAATCTACTTCAGGAAATGCTATTAGGTGGGGCTTCCAATGATGGCAGTCATCTCC
ATCATCCAATGCATCCACATTTGTCTCAAGACCCATTAAGTGGACAACTATACTTTTAGTCCCATGTC
AACACTGGTTCATGCAGACCAGATCTCAACTCCTGAAACCCCACTCCCTTCCCCACCACAAGGCTCTGGG
CAAGAACAGTACAAAATAGCTGCAAACCAAGCATCAGTCATTTACACCAGCATCTCTCAAACAAAAGC
AATTGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004133 unedited
 GACAACTTGATACGACCTCCTATAGGGCGGCCGCAACCTCGGCACCAGAATAGGAACA
 GCTCCGGTTTACAGCTCCCAGCGTGAGCGACGACGAGAAGACGGGTGATTTCTGCATTTCC
 ATCTGAGGTCTACATAACGTGACTGGAGCACCAGCGAAAGCAGCCAGTCTGAGATATTGA
 CACTACAGAAAAAAGTACAGCTTACTCCTTGATTGATTCTACTCTTCTCTACAAATAT
 AGACTCCGTTCCCTACCACAGCCTTATAGTTCTGCCCCAGAGACAAGTATGAATACCACA
 GACAACGGTGTCAACTGTCTGTGTGCTATCTGTGGGACAGAGCAACAGGAAAACACTAT
 GGGGCATCCAGCTGTGATGGGTGCAAGGGTTTCTTCAGACGCAGATTCTGTAAGAGTCAC
 GTTTATTCTTGCAGTTTCACTCGCAATGTGTTGTTGACAAGGACAAAAGGAATCAATGT
 AGATATTGTGCGATTAAGAAAAGTGTGTTAGAGCGGGAATGAAAAAGAAGCTGTACAAAAT
 GAACGTGACAGAAATAAGCACCAGAAGAAGCACATTTGATGGCAGCAACATCCCCTCCATT
 AACACTGACACAAGCTGAAGTTCGGTCTCGCCAGATCTCAGTCTCAAGCCCTGGGTCA
 AGCACTGACATAAACGTTAAGAAAATTGCAAGTATTGGTGTGCTGTGAATCTATGAAA
 CAGCAGCTCTTAGTCTTGGTGAATGGGCTAAATATATTCCTGCCTTCTGTGAATTACCA
 TTGGATGATCAGTGGCACTGTTGAGAGCTCACGCAGGGAGCACTTACTGCTTGGAGCTAC
 AAAGAGATCCATGATATAATAAAGATATTTTGGCTTTGGGAAACAACACTATTGTTAATTCA
 CCGCAACAGCCT

3' Read Nucleotide Sequence:

>Reverse primer walk for NM_004133 unedited
 CCCCAGTTTAAAGATTGCCACAGTGTCTTCTGNANTATTTTCCAGCATCAACAACCTTTTC
 ACATTTATGTAGTNGCNCNGTTCTGAAGTAAACACATTTTACAATTGCTTTTGTGGGA
 GAGATGCTGGTGTGAAATGACTGATGCTTGGTTTGCAGCTATTTTGTACTGTTCTTGCCC
 AGAGCCTTGTGGTGGGGAAGGGAGTGGGTTTTCAGGAGTTGAGATCTGGTCTGCATGAAC
 CAGTGTGACATGGGACCTAAAAGTATAGTTTGTCCAGTTAATGGGTCTTGGACAAATG
 TGGATGCATTGGATGATGGAGATGACTGCCATCATTGGAAGCCCCACCTAATAGCATTTC
 CTGAAGTAGATTGTCAATTTTAAACCATCCCAAAAAGTTTAAACAACTGTATTTGCTCAAT
 CATTTGCCACGTGATGCTCTGCAGTGTGGGCAGGAGCAGAAGCAACTCTCCAAACCTCCC
 CCGGGAGTCATACTGCCGATCATTGATGTAGTCTCCAAACCGATCTGCAGTGGAACTT
 CATGTTCTTAATTTTACTGGATCGCTTAGCCCTTTTGCATCTGGATCAAAAAATACAAT
 TGCCTTTAAACAAGCATACTCATTGTCAATCTGGATTCTTGAATGGTCTAACCAG
 CTCATCTAGAACACGATTGGCCACACGGCTAATCTCAACTTACAGCTGTTGCGGTGAAT
 AACATAGTTGTTTCCCAAAAGCAAAATATCTTTATATATCATGGATCTTCTTTGTAGCTC
 CAAGCAGTAAGTGCNTCCCTGCGTGAGCTCNTCACAGTGCCACCTGATTATCCATGGG
 TATTACAGAAAGGCAGAATATATTTAGCCATTTCCACCAGACTAAGAGCTGCTG

Restriction Sites:

NotI-NotI

ACCN:

NM_004133

Insert Size:

4500 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_004133.3](#), [NP_004124.3](#)

RefSeq Size: 4101 bp

RefSeq ORF: 4101 bp

Locus ID: 3174

UniProt ID: [Q14541](#)

Cytogenetics: 8q21.13

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways: Maturity onset diabetes of the young

Gene Summary: Transcription factor. Has a lower transcription activation potential than HNF4-alpha. [UniProtKB/Swiss-Prot Function]